



A Dräger and Siemens Company

Field Service Procedure

Part Number: SP00292

Rev: B

Date: 30 April 2004

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Innovian Server Installation Procedure

Revision History

Revision	Description	Effective Date	Approval
1.0	Initial release	10/14/2003	Rev Dash
2.0	Update for Innovian name change. Added section 4.0 and Appendix B section 4.0	02/13/2004	Rev A
3.0	Removed section 5.0, Procedure and Diagnosis Database Attachment... Add Cover page and Change History page back into doc. Added kk-nn in Appendix A. Added "Innovian Server Installation Complete..." line to the end of section 12.0. Changed 4sys to Innovian in doc names in section 1.3. Changed "readable" to "writable" in the note at the top of section 3.0. Removed "EN-US" from package name and path in item 3.6. Added installation directory structure to item 3.1. Removed section 4.0, "Database Upgrade to Build_0054.1".	04/15/2004	Rev B
3.1	Updated section 5.0 to account for move from Framework 1.0 to Framework 1.1. Updated screenshots in section 7.0 for new build of protocol loader (1.2.0.9). Added how to find Query Analyzer to the note at the beginning of section 3.0.	04/19/2004	
3.2	Added steps to section 3.0 to make sure that the recovery model of PeriopDM, PatientInfo, and AuditInfo are set to Full.	04/21/2004	

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1.0 Introduction

1.1 Purpose

This document outlines the procedure needed to install the Innovian server databases.

1.2 Definitions, Acronyms, and Abbreviations

Server Databases	The database files (periopdm_data.mdf, PatientInfo_data.mdf, AuditInfo_data.mdf) maintained by the database engine running on the system server.
Transaction Logs	Files that are maintained by the database engine which contains all actions to be performed upon the databases. The database may not always be current with the log file.
DTS Package	Data Transformation Service Package
Trigger	A function activated by an event, such as an insert or delete, to ensure referential integrity or to log something in the audit trail.
Language Pack	A language specific folder on the Innovian Installation DVD containing necessary files to install Innovian in that language (ex DVD:\Language Packs\EN-US).

1.3 Applicable Documents

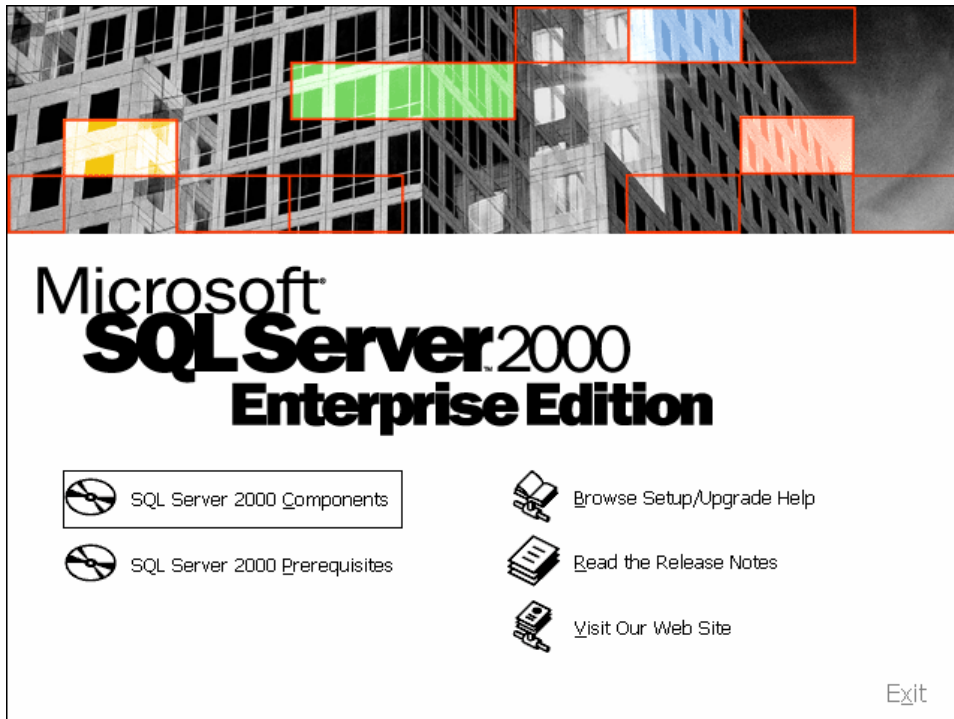
Document	Number
Innovian Server Install Procedure EVT	4sys-PR-IN-0323
Innovian Server Install Procedure Test Report	4sys-TR-IN-0324
Innovian Code Loader User Guide	4sys-IP-IN-0262
Innovian Workstation Procedure	SP00293

1.4 Prerequisites

Windows 2000 Server with Service Pack 4 and all Hotfixes through 9/15/2003
Windows 2003 Server with all Hotfixes through 9/15/2003
PC Anywhere 11 (if PC Anywhere or other remote access software is not installed see Appendix A before continuing to section 2.0)
All sections of this document assume that you will be installing the databases and configuration applications to the D:\ drive. If that is not the case see Appendix A before proceeding to section 2.0.

2.0 SQL Server 2000, Service Pack 3a, and Hotfix Installation

- 2.1 Insert the SQL Server 2000 CD into the CD drive or browse to the installation files located on the Innovian Installation DVD in the Server section and double click **setup.bat**.
- 2.2 When this window appears, select **SQL Server 2000 Components**.



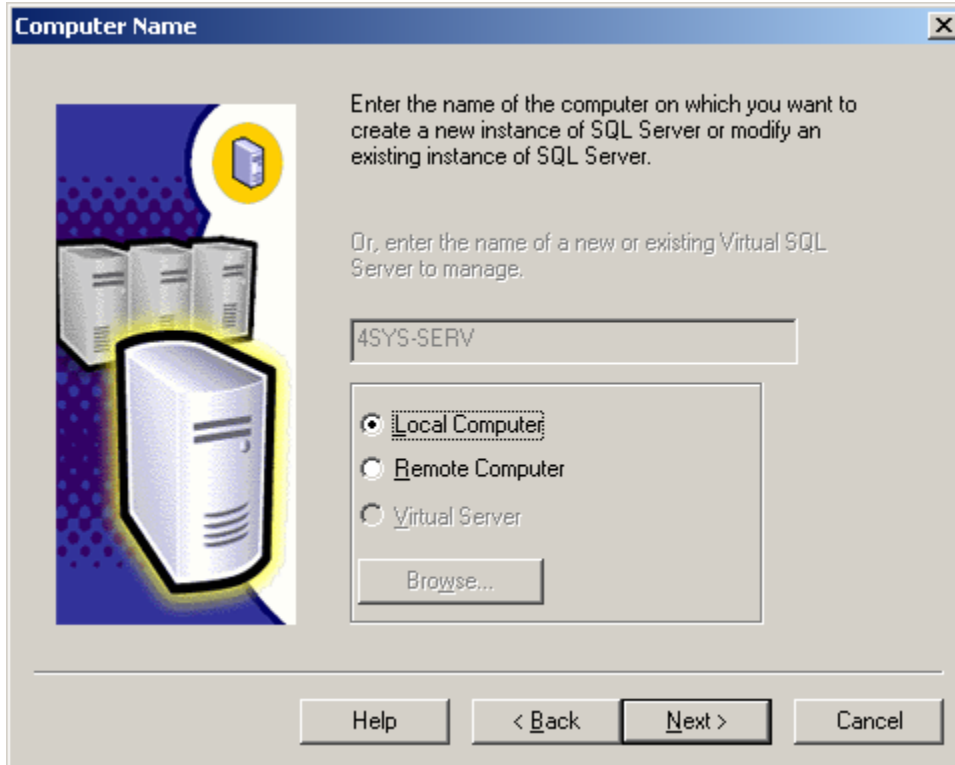
2.3 Select Install Database Server.



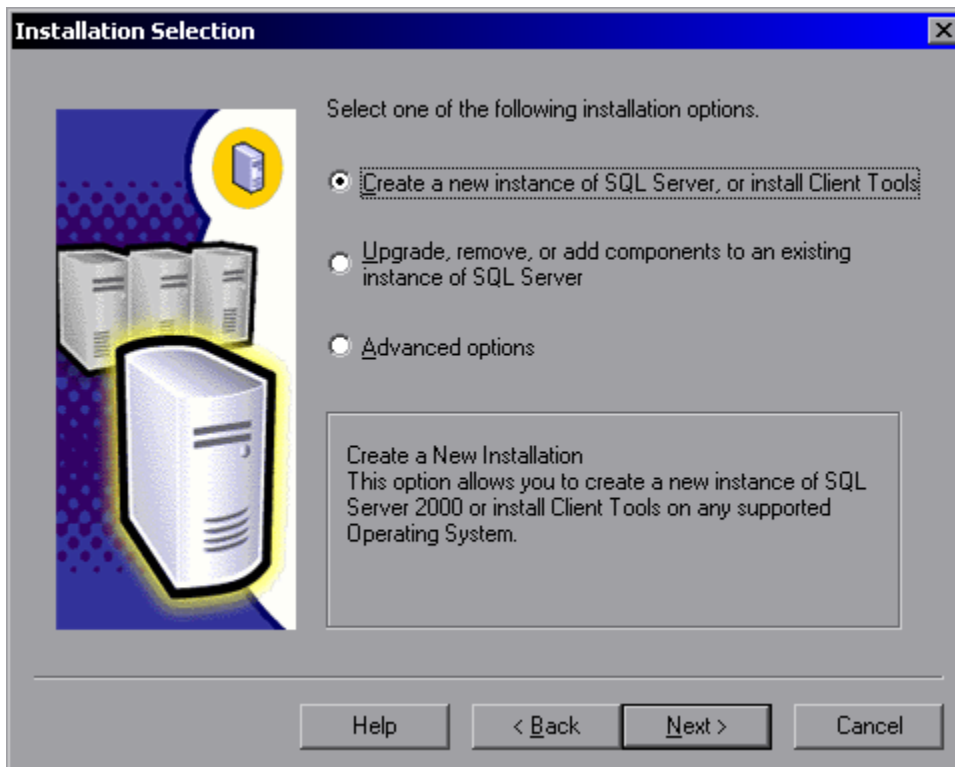
2.4 Select Next.



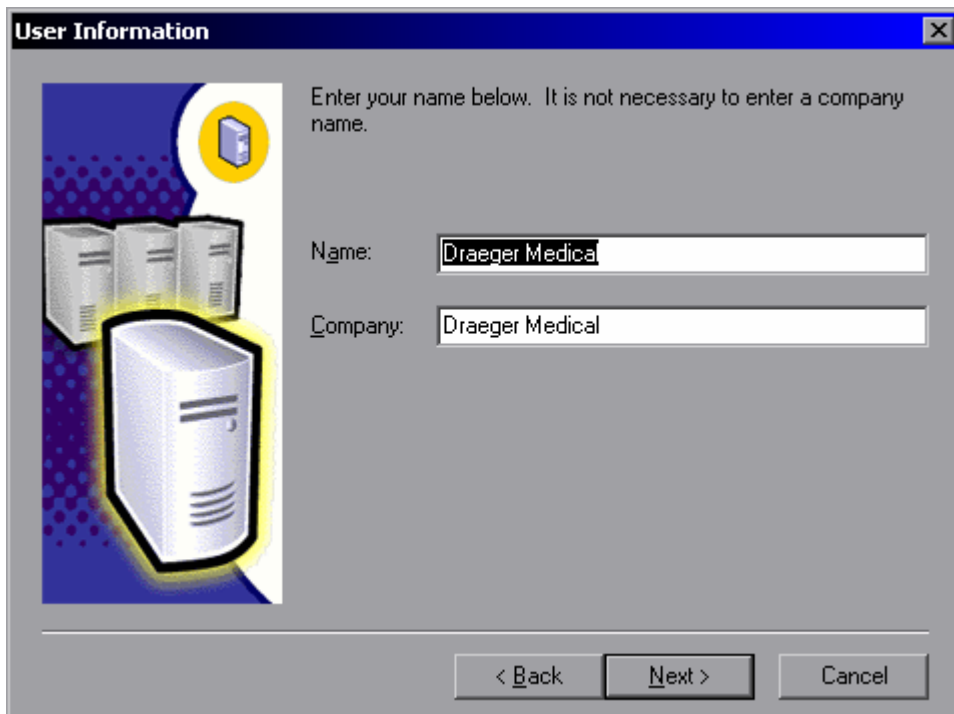
2.5 Select **Local Computer** and then click **Next**.



2.6 Select **Create a new...** and then click **Next**.



- 2.7 Enter the appropriate name and company information, and then click **Next**.



The "User Information" dialog box has a blue title bar with a close button. On the left is a graphic of server racks. The main area contains the text: "Enter your name below. It is not necessary to enter a company name." Below this are two text input fields. The "Name:" field contains "Draeger Medical" and the "Company:" field also contains "Draeger Medical". At the bottom are three buttons: "< Back", "Next >", and "Cancel".

User Information

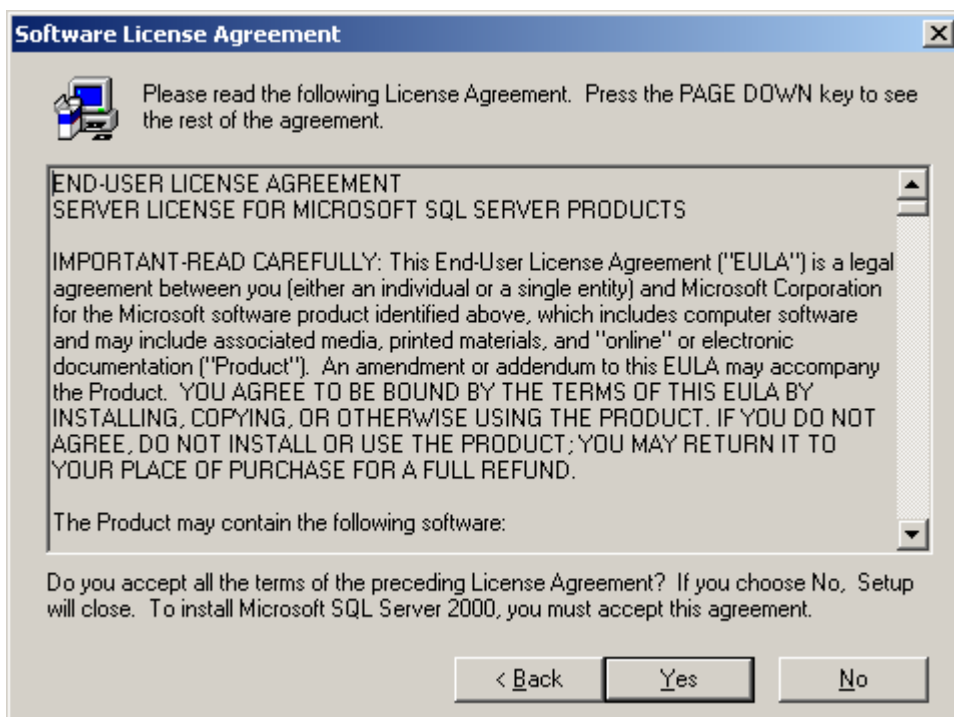
Enter your name below. It is not necessary to enter a company name.

Name:

Company:

< Back Next > Cancel

- 2.8 Click **Yes** to agree to the license agreement.



The "Software License Agreement" dialog box has a blue title bar with a close button. It contains a small icon of a computer and a document, followed by the text: "Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement." Below this is a large text area with a scrollbar. The text in the area reads: "END-USER LICENSE AGREEMENT", "SERVER LICENSE FOR MICROSOFT SQL SERVER PRODUCTS", and a paragraph of legal text starting with "IMPORTANT-READ CAREFULLY: This End-User License Agreement ('EULA') is a legal agreement between you...". Below the text area is the question: "Do you accept all the terms of the preceding License Agreement? If you choose No, Setup will close. To install Microsoft SQL Server 2000, you must accept this agreement." At the bottom are three buttons: "< Back", "Yes", and "No".

Software License Agreement

Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement.

END-USER LICENSE AGREEMENT
SERVER LICENSE FOR MICROSOFT SQL SERVER PRODUCTS

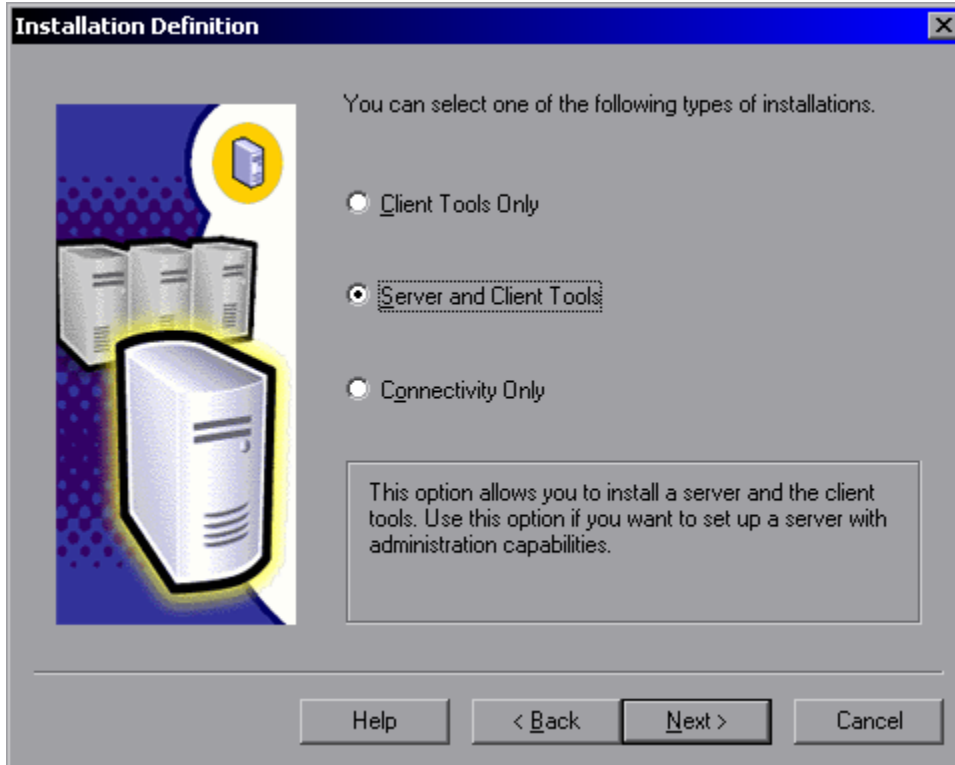
IMPORTANT-READ CAREFULLY: This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Microsoft Corporation for the Microsoft software product identified above, which includes computer software and may include associated media, printed materials, and "online" or electronic documentation ("Product"). An amendment or addendum to this EULA may accompany the Product. YOU AGREE TO BE BOUND BY THE TERMS OF THIS EULA BY INSTALLING, COPYING, OR OTHERWISE USING THE PRODUCT. IF YOU DO NOT AGREE, DO NOT INSTALL OR USE THE PRODUCT; YOU MAY RETURN IT TO YOUR PLACE OF PURCHASE FOR A FULL REFUND.

The Product may contain the following software:

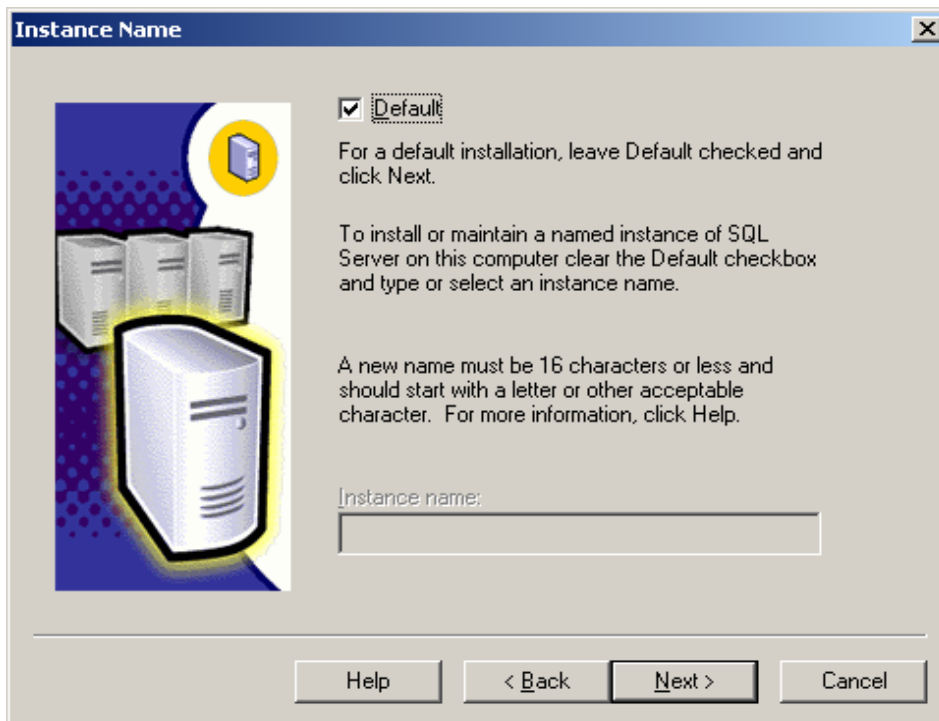
Do you accept all the terms of the preceding License Agreement? If you choose No, Setup will close. To install Microsoft SQL Server 2000, you must accept this agreement.

< Back Yes No

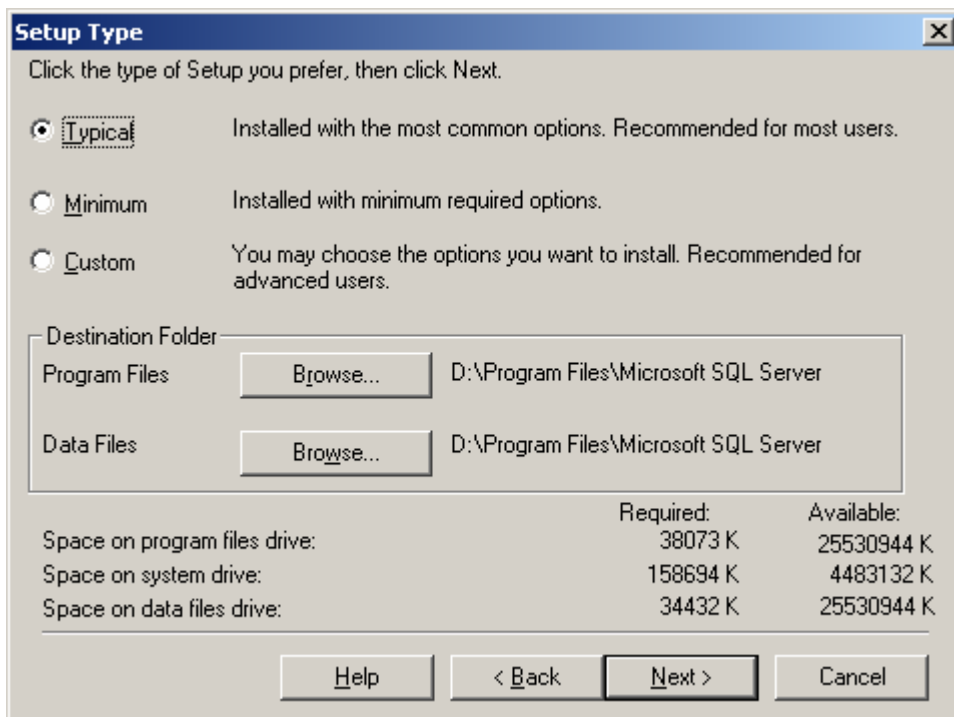
2.9 Select **Server and Client Tools** and then click **Next**.



2.10 Click **Next**.



2.11 Change the paths as shown, and then click **Next**.

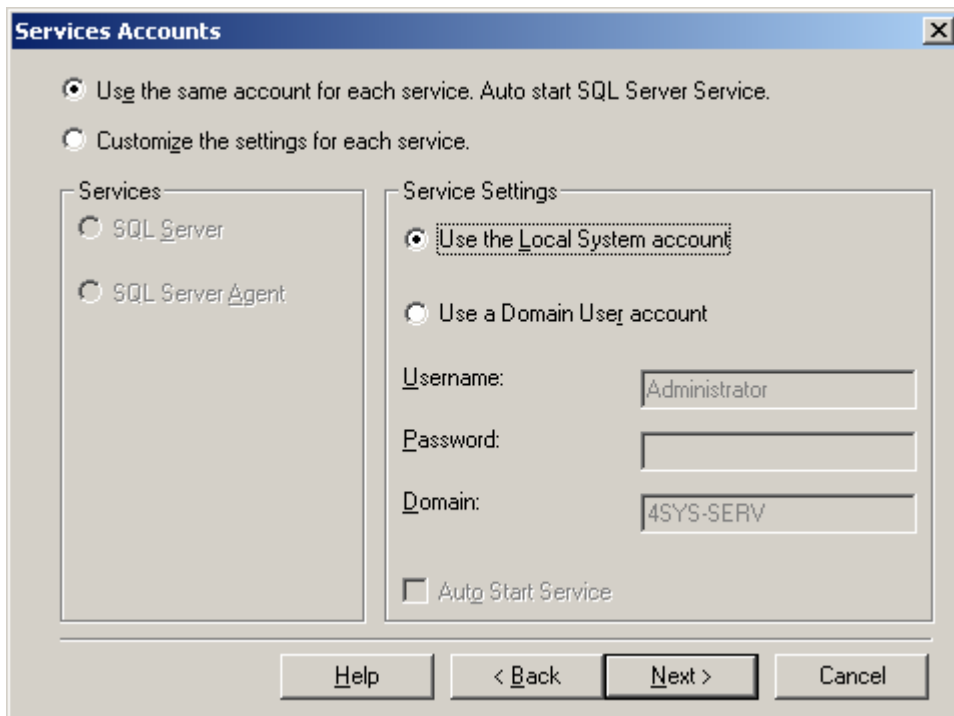


The **Setup Type** dialog box is shown. It has a title bar with a close button. The main text says "Click the type of Setup you prefer, then click Next." There are three radio buttons: **Typical** (selected), **Minimum**, and **Custom**. Below these is a section for **Destination Folder** with two rows: **Program Files** and **Data Files**. Each row has a **Browse...** button and a text field showing the path **D:\Program Files\Microsoft SQL Server**. At the bottom, there is a table showing space requirements:

	Required:	Available:
Space on program files drive:	38073 K	25530944 K
Space on system drive:	158694 K	4483132 K
Space on data files drive:	34432 K	25530944 K

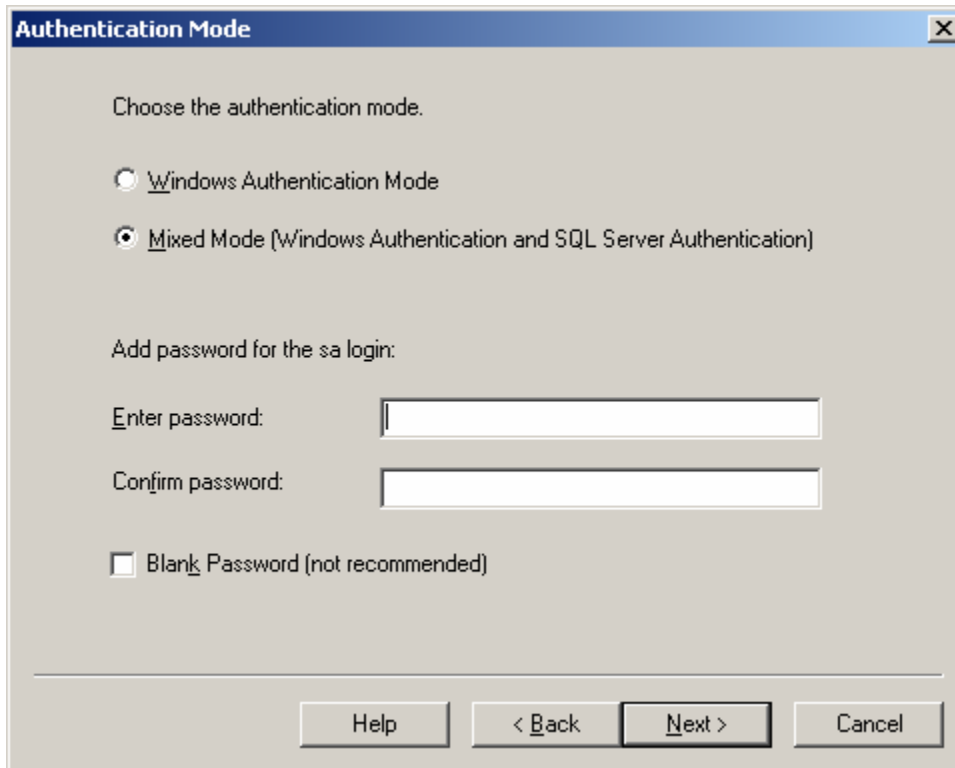
At the bottom are buttons for **Help**, **< Back**, **Next >**, and **Cancel**.

2.12 Select **Use the Local System account** and then click **Next**.



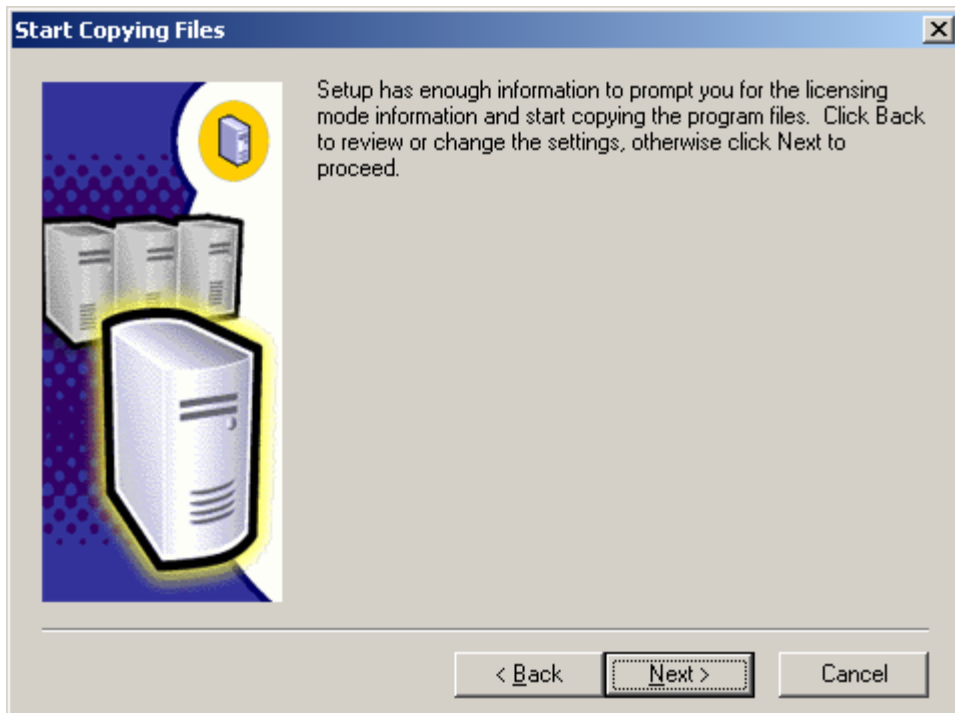
The **Services Accounts** dialog box is shown. It has a title bar with a close button. There are two radio buttons: **Use the same account for each service. Auto start SQL Server Service.** (selected) and **Customize the settings for each service.** Below these is a section for **Services** with two radio buttons: **SQL Server** (selected) and **SQL Server Agent**. To the right is a section for **Service Settings** with two radio buttons: **Use the Local System account** (selected) and **Use a Domain User account**. Below these are three text fields: **Username:** (containing "Administrator"), **Password:** (empty), and **Domain:** (containing "4SYS-SERV"). At the bottom is a checkbox for **Auto Start Service** which is unchecked. At the bottom are buttons for **Help**, **< Back**, **Next >**, and **Cancel**.

2.13 Select **Mixed Mode**, enter the password chosen by the site administrator, and then click **Next**.



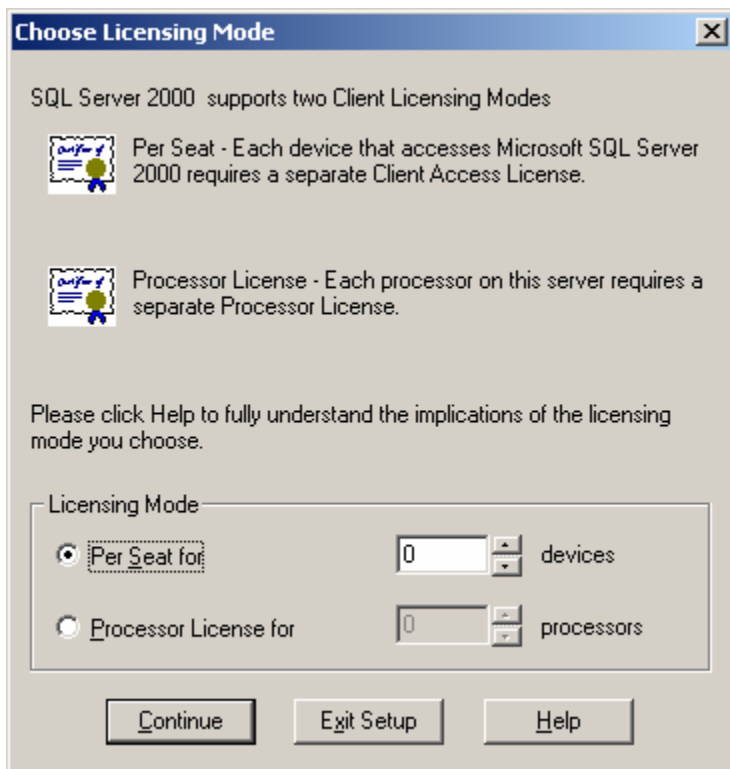
The 'Authentication Mode' dialog box has a title bar with a close button. The main area contains the text 'Choose the authentication mode.' followed by two radio button options: 'Windows Authentication Mode' and 'Mixed Mode (Windows Authentication and SQL Server Authentication)'. The 'Mixed Mode' option is selected. Below this is the text 'Add password for the sa login:' followed by two text input fields labeled 'Enter password:' and 'Confirm password:'. At the bottom left is a checkbox labeled 'Blank Password (not recommended)'. At the bottom right are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

2.14 Click **Next**.

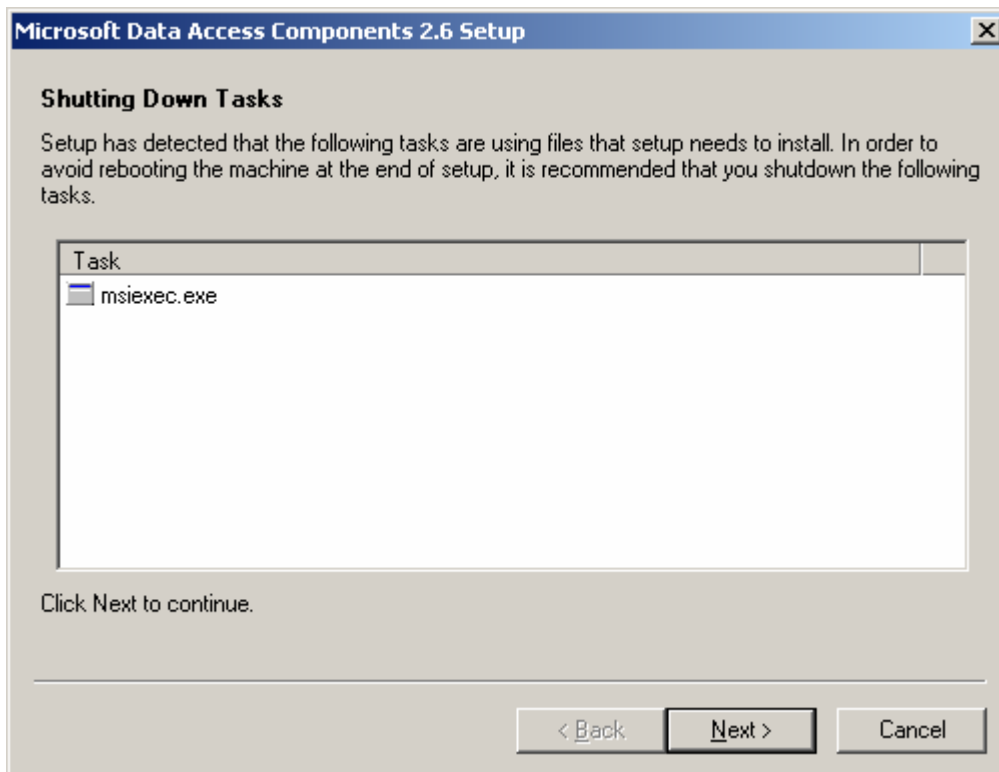


The 'Start Copying Files' dialog box has a title bar with a close button. On the left is a graphic showing three server racks, with the front one highlighted in yellow. To the right of the graphic is the text: 'Setup has enough information to prompt you for the licensing mode information and start copying the program files. Click Back to review or change the settings, otherwise click Next to proceed.' At the bottom right are three buttons: '< Back', 'Next >', and 'Cancel'.

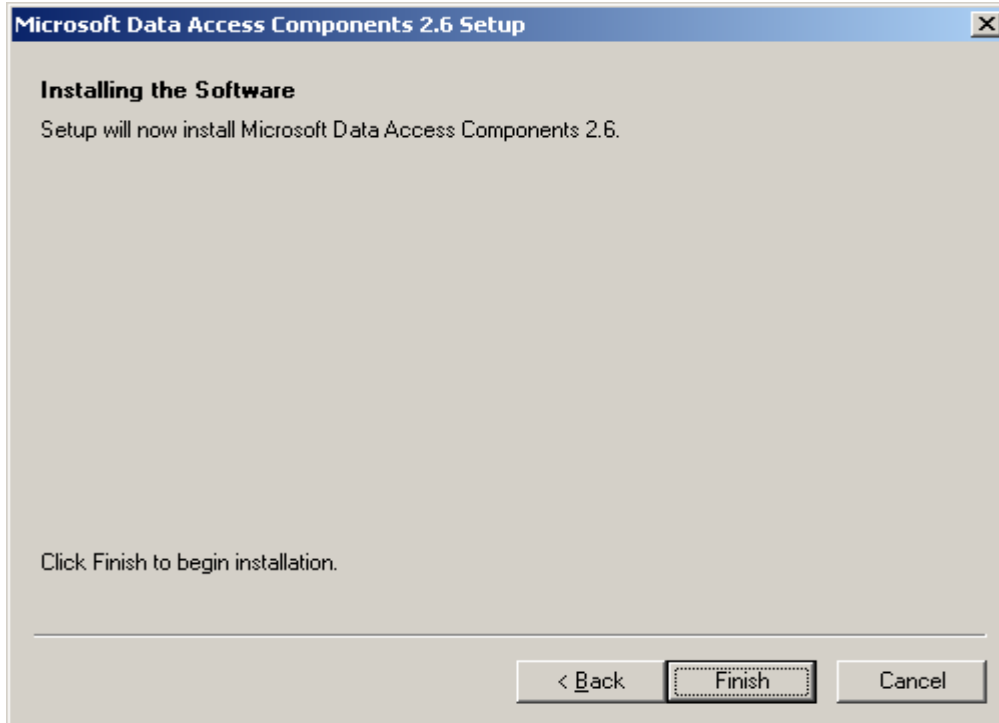
2.15 Enter the license information according to what the site has purchased.



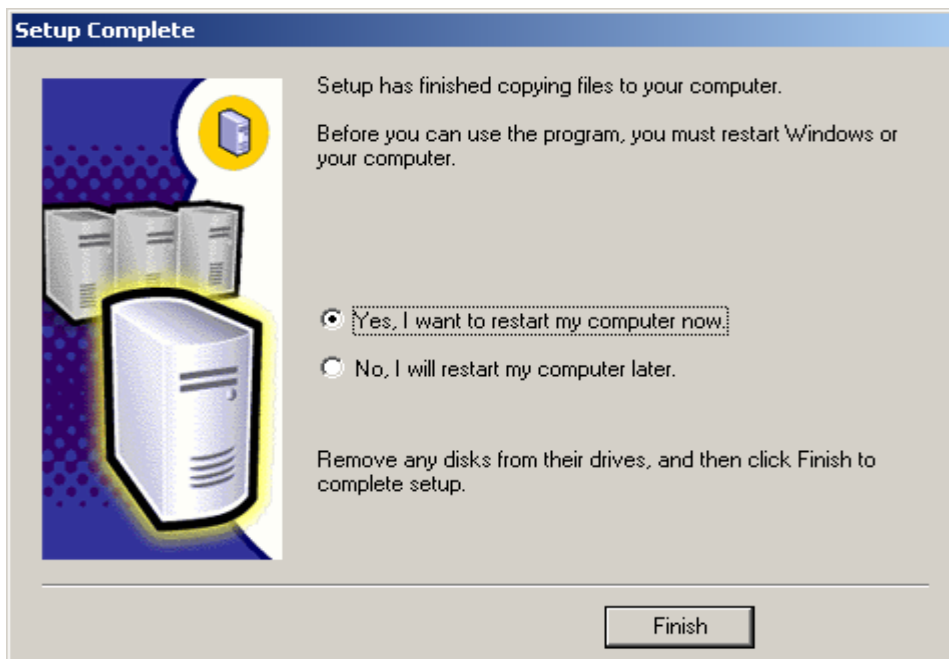
2.16 Shut down any tasks SQL Server needs shut down.



2.17 Click **Finish**.



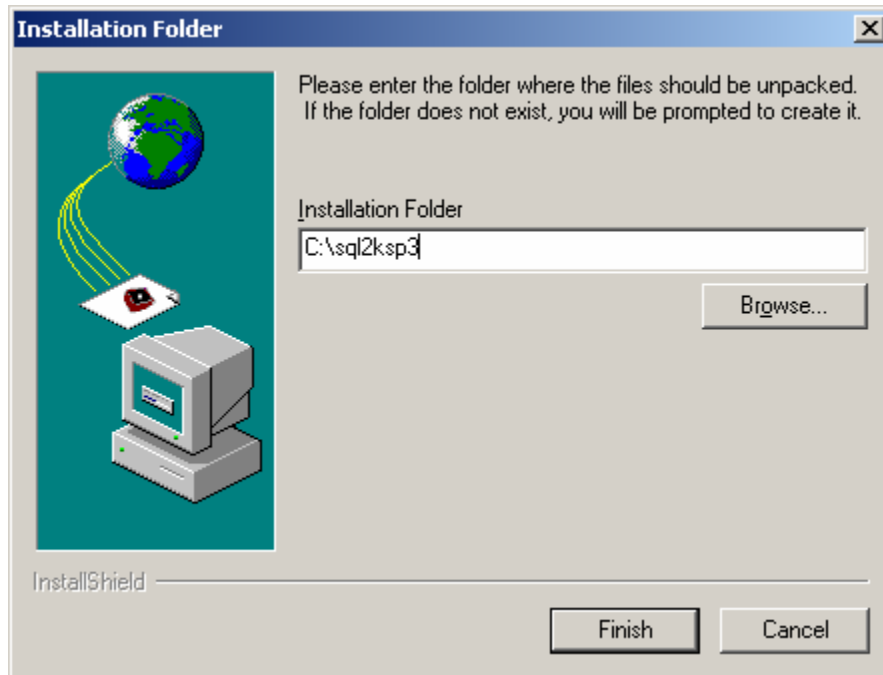
2.18 If prompted, click **Finish** to reboot the server.



SQL Server 2000 Installation Complete

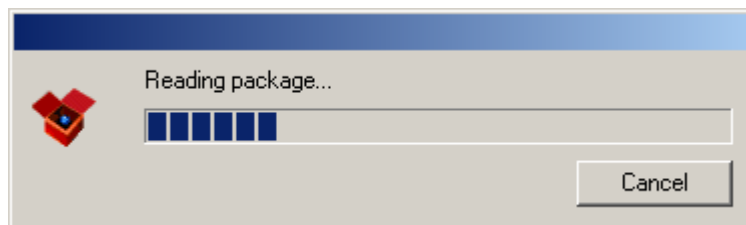
2.19 Browse to **sql2ksp3.exe** and double-click it.

2.20 Choose a destination folder and then click **Finish**.



2.21 If prompted, answer **Yes** to **Specified output folder does not exist...**

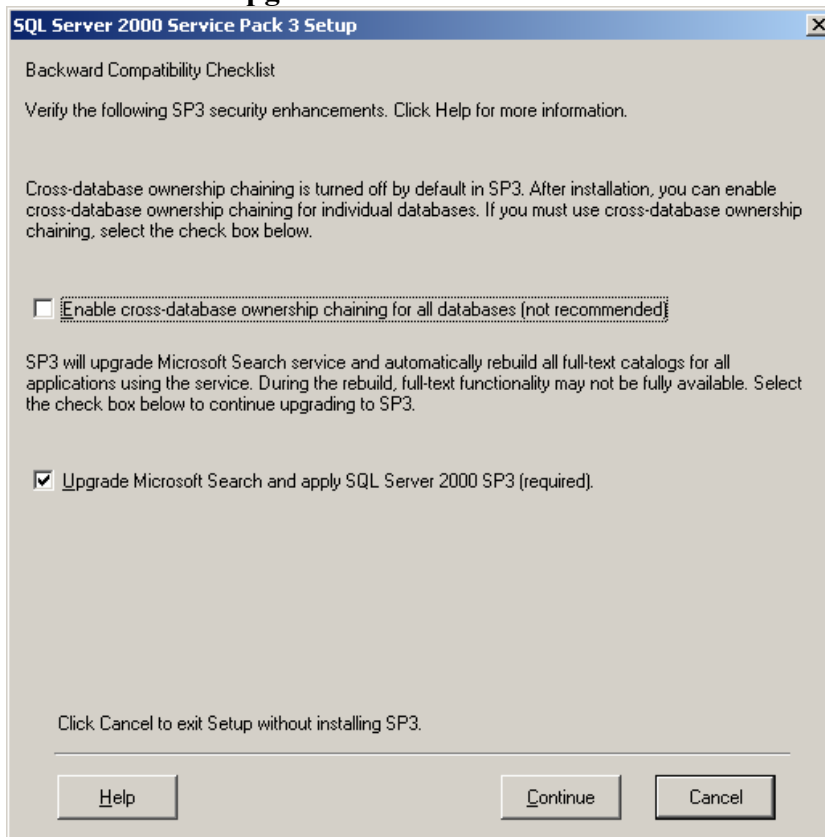
2.22 Wait for the package to be unloaded.



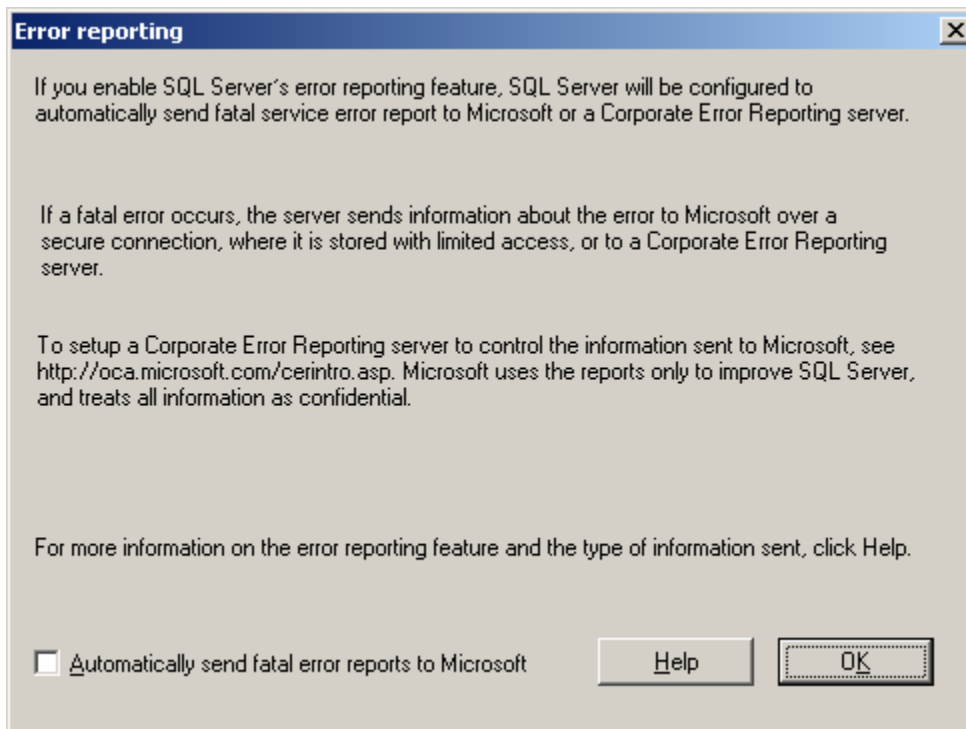
2.23 At the **The package has been delivered successfully** prompt, click **OK**.

2.24 Browse to the path entered in step 2.20, and then double-click **setup.bat**.

- 2.25 Click **Next** at the **Welcome** screen.
- 2.26 Accept the license agreement.
- 2.27 Click **Next** at the **Instance Name** screen.
- 2.28 Choose **SQL Login** and enter the SA password in the **Connect to server** window, and then click **Next**.
- 2.29 Select the **Upgrade Microsoft Search...** check box and click **Continue**.



- 2.30 Do **not** select the **Automatically send fatal errors to Microsoft** check box. Click **OK**.



- 2.31 Click **Next** at the **Start Copying Files** window.
2.32 Click **OK** when prompted to back up your system databases.
2.33 Click **Finish**.

SQL Server 2000 SP3a installation complete.

- 2.34 Browse to **SQL2000-KB815495-8.00.0818-ENU.exe** and double-click it.
2.35 Click **Next** at the **Welcome** window.
2.36 Accept the license agreement and click **Next**.
2.37 Select the instance of SQL Server installed on this server, and then click **Next**.
2.38 Select **SQL Server Authentication**, enter the SA password, and then click **Next**.
2.39 At the **Ready to install** window, click **Install**.
2.40 Wait for the installation scripts to complete.
2.41 Click **Finish** at the **HotFix complete** window.

SQL Server 2000 Hotfix installation complete.

3.0 Database Attachment and Configuration

Note: Make sure all six server database .mdf and .ldf files are writable. Enterprise Manager is opened by clicking **Start\Programs\Microsoft SQL Server\Enterprise Manager**. Query Analyzer is opened by clicking **Start\Programs\Microsoft SQL Server\Query Analyzer**.

- 3.1 Copy the **Innovian** folder and all of its contents from the Server folder of the appropriate Language Pack to the **D:** drive. The directory structure should look like this:
 - D:\Innovian\Backup
 - D:\Innovian\Configuration Utilities
 - D:\Innovian\Devices
 - D:\Innovian\DotNet Framework
 - D:\Innovian\PcAnywhere11
 - D:\Innovian\SQL Server Updates
 - D:\Innovian\Tables
 - D:\Innovian\Tools
- 3.2 In Enterprise Manager, right-click and choose **All Tasks\Attach Database**. Browse to D:\Innovian\Periopdm_Data.mdf. Make sure to select **SA** as the owner of the database when attaching.
- 3.3 In Enterprise Manager right click the **PeriopDM** database and choose **Properties**.
- 3.4 Move to the **Options** tab and make sure the Model dropdown is set to **Full** then click **OK**.
- 3.5 In Enterprise Manager, right-click and choose **All Tasks\Attach Database**. Browse to D:\Innovian\AuditInfo_Data.mdf. Make sure to select **SA** as the owner of the database when attaching.
- 3.6 In Enterprise Manager right click the **AuditInfo** database and choose **Properties**.
- 3.7 Move to the **Options** tab and make sure the Model dropdown is set to **Full** then click **OK**.
- 3.8 In Enterprise Manager, right-click and choose **All Tasks\Attach Database**. Browse to D:\Innovian\PatientInfo_Data.mdf. Make sure to select **SA** as the owner of the database when attaching.
- 3.9 In Enterprise Manager right click the **PatientInfo** database and choose **Properties**.
- 3.10 Move to the **Options** tab and make sure the Model dropdown is set to **Full** then click **OK**.
- 3.11 Right-click on the **Data Transformation Services** folder and choose **Open Package...**
- 3.12 Browse to D:\Innovian\ and open **PeriopDM Configuration.dts**
- 3.13 Click the **green arrow** on the toolbar to execute the package.
- 3.14 Wait for the package to complete, then scroll through the list to be sure there are no errors.
- 3.15 Open **Query Analyzer** and attach to PeriopDM
- 3.16 Open **D:\Innovian\AutoArchiveSetup.sql** and execute it.
- 3.17 Open **D:\Innovian\PatientPurgeSetup.sql** and execute it.

4.0 Recommended Database Backup Schedule Configuration

It is recommended that the customer run *incremental backups* once an hour on each database and also *complete full backups* once a day to minimize possible data loss in the event of a failure. It is also recommended that the backups made to the disk during this schedule are backed up to tape daily. The site administrator may modify this maintenance plan as necessary to meet the sites needs. The Innovian database files are set to 'full' recovery mode. This database property must not be changed. The backup files could be pushed to another drive if another drive is available locally. If the site chooses to do so a new backup folder would need to be created and the maintenance plan modified accordingly.

This procedure provides steps to configure the backup schedule described above.

- 4.1 In Enterprise Manager, right-click on any of the three Innovian databases. Choose **All Tasks\Maintenance Plan**.
- 4.2 Click **Next**.
- 4.3 Check **AuditInfo**, **PatientInfo**, and **PeriopDM** so that all three will be backed up. Click **Next**.
- 4.4 Click **Next**.
- 4.5 Check the **Check Database Integrity** box and then click the **Change** button.
- 4.6 Select these options in the Edit Recurring Job Schedule dialog. Click **OK** and **Next** when you are done.

Edit Recurring Job Schedule

Job name: (New Job) ☒ Enable schedule

Occurs:

- ☒ Daily
- ☐ Weekly
- ☐ Monthly

Daily

Every 1 day(s)

Daily frequency:

- ☒ Occurs once at: 12:00:00 AM
- ☐ Occurs every: 1 Hour(s)

Starting at: 12:00:00 AM

Ending at: 11:59:59 PM

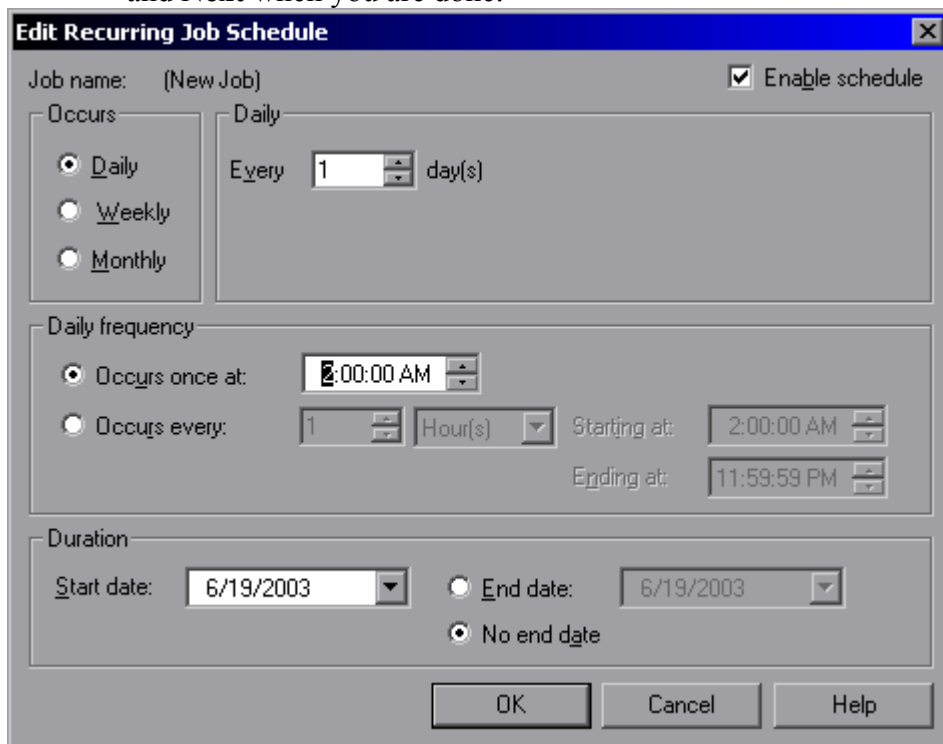
Duration:

Start date: 6/19/2003

- ☐ End date: 6/19/2003
- ☒ No end date

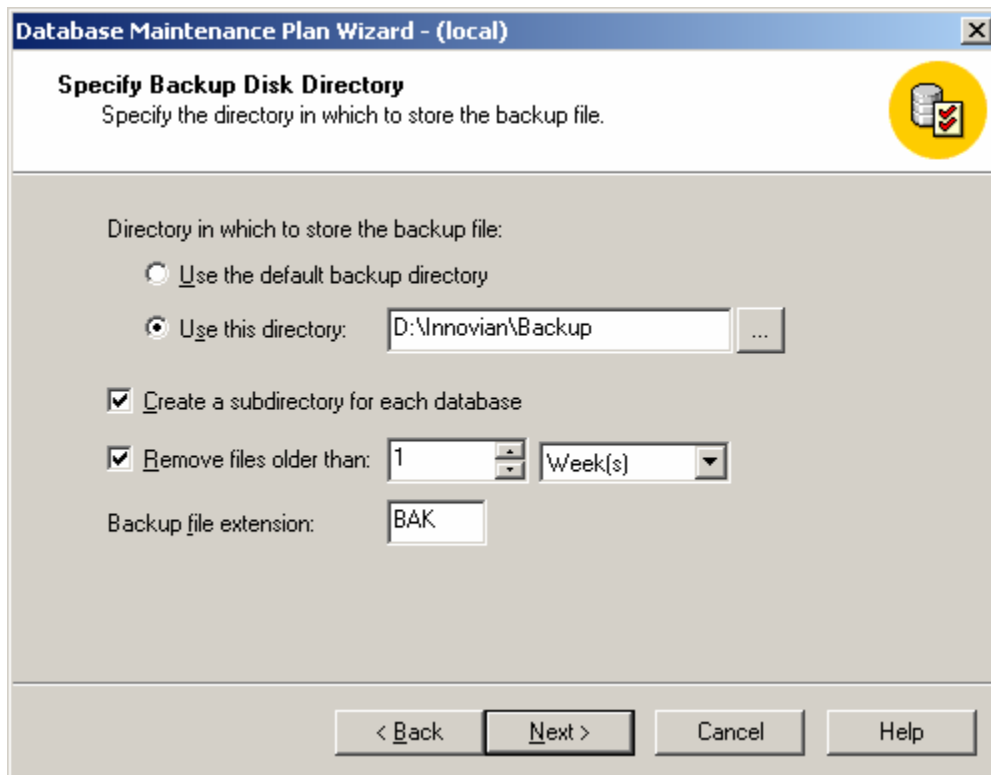
OK Cancel Help

4.7 Click **Change** and select the options to match this screen shot. Click **OK** and **Next** when you are done.



The 'Edit Recurring Job Schedule' dialog box is shown. It has a title bar with a close button. The 'Job name' field contains '(New Job)'. The 'Enable schedule' checkbox is checked. Under the 'Occurs' section, 'Daily' is selected. The 'Daily' frequency section shows 'Every 1 day(s)'. The 'Daily frequency' section has 'Occurs once at' selected with a time of 2:00:00 AM. The 'Occurs every' section shows '1 Hour(s)'. The 'Starting at' field is 2:00:00 AM and the 'Ending at' field is 11:59:59 PM. The 'Duration' section shows 'Start date' as 6/19/2003, 'End date' as 6/19/2003, and 'No end date' is selected. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

4.8 Select these options and then click **Next**.



The 'Database Maintenance Plan Wizard - (local)' dialog box is shown. The title bar includes a close button. The main title is 'Specify Backup Disk Directory' with a subtitle 'Specify the directory in which to store the backup file.' and a database icon. The 'Directory in which to store the backup file:' section has 'Use the default backup directory' unselected and 'Use this directory:' selected with the text 'D:\Innovian\Backup' and a browse button. The 'Create a subdirectory for each database' checkbox is checked. The 'Remove files older than:' section shows '1 Week(s)'. The 'Backup file extension:' field contains 'BAK'. At the bottom are '< Back', 'Next >', 'Cancel', and 'Help' buttons.

4.9 Select these options and then click **Change**.

The screenshot shows the 'Database Maintenance Plan Wizard - RICCIJASON' window. The title bar is blue with the text 'Database Maintenance Plan Wizard - RICCIJASON'. The main window has a white header area with the title 'Specify the Transaction Log Backup Plan' and a subtitle 'Specify the transaction log backup plan to prevent failures and operator errors.' To the right of the subtitle is a yellow circular icon with a database cylinder and a checkmark. The main content area is gray and contains the following options: a checked checkbox 'Back up the transaction log as part of the maintenance plan', a checked checkbox 'Verify the integrity of the backup when complete', a label 'Location to store the backup file:' followed by two radio buttons: 'Tape:' (unselected) and 'Disk' (selected). Below these is a 'Schedule:' section with a text box containing 'Occurs every 1 week(s) on Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, at 12:00:00 AM.' and a 'Change...' button to its right. At the bottom are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

4.10 Select these options and then click **OK** and **Next**.

The screenshot shows the 'Edit Recurring Job Schedule' window. The title bar is blue with the text 'Edit Recurring Job Schedule'. The main window has a white header area with the title 'Edit Recurring Job Schedule' and a subtitle 'Job name: (New Job)'. To the right of the subtitle is a checked checkbox 'Enable schedule'. The main content area is gray and contains the following options: a section 'Occurs' with three radio buttons: 'Daily' (selected), 'Weekly' (unselected), and 'Monthly' (unselected). To the right of these is a 'Daily' section with a label 'Every' followed by a text box containing '1' and a 'day(s)' label. Below this is a 'Daily frequency' section with two radio buttons: 'Occurs once at:' (unselected) and 'Occurs every:' (selected). To the right of 'Occurs once at:' is a time picker showing '12:00:00 AM'. To the right of 'Occurs every:' is a text box containing '1' followed by a 'Hour(s)' label. To the right of 'Hour(s)' is a 'Starting at:' label followed by a time picker showing '6:00:00 AM'. To the right of 'Starting at:' is an 'Ending at:' label followed by a time picker showing '11:59:59 PM'. Below these is a 'Duration' section with a 'Start date:' label followed by a date picker showing '6/19/2003'. To the right of 'Start date:' is an 'End date:' label followed by a date picker showing '6/19/2003'. Below these is a radio button 'No end date' which is selected. At the bottom are three buttons: 'OK', 'Cancel', and 'Help'.

4.11 Select these options and then click **Next**.

The screenshot shows the 'Database Maintenance Plan Wizard - (local)' window. The title bar is blue with a close button. The main area has a white header with the title 'Specify Transaction Log Backup Disk Directory' and a subtitle 'Specify the directory in which to store the transaction log backup file.' To the right is a yellow circular icon with a database cylinder and a checkmark. The main content area is light gray and contains the following options: 'Directory in which to store the backup file:' with two radio buttons, 'Use the default backup directory' (unselected) and 'Use this directory:' (selected) with a text box containing 'D:\Innovian\Backup' and a browse button (...). Below this is a checked checkbox 'Create a subdirectory for each database'. Then a checked checkbox 'Remove files older than:' with a spinner box set to '3' and a dropdown menu set to 'Day(s)'. At the bottom is a text box for 'Backup file extension:' containing 'TRN'. The footer has four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

4.12 Select the location for the reports, how long they are kept, and then click **Next**.

The screenshot shows the 'Database Maintenance Plan Wizard - (local)' window. The title bar is blue with a close button. The main area has a white header with the title 'Reports to Generate' and a subtitle 'Specify the directory in which to store the reports generated by the maintenance plan.' To the right is a yellow circular icon with a database cylinder and a checkmark. The main content area is light gray and contains the following options: a checked checkbox 'Write report to a text file in directory:' with a text box containing 'D:\Innovian\Backup' and a browse button (...). Below this is a checked checkbox 'Delete text report files older than:' with a spinner box set to '1' and a dropdown menu set to 'Week(s)'. At the bottom is an unchecked checkbox 'Send e-mail report to operator:' with a dropdown menu and a browse button (...). To the right of the dropdown menu is a button 'New Operator...'. The footer has four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

4.13 Ensure the options are the same as pictured here, and then click **Next**.

Database Maintenance Plan Wizard - RICCIJASON

Maintenance Plan History
Specify how you want to store the maintenance plan records.

Local server

☒ Write history to the msdb.dbo.sysdbmaintplan_history table on this server

☒ Limit rows in the table to: 1000 rows for this plan

Remote server

History is added to the msdb.dbo.sysdbmaintplan_history table on the remote server.
Windows Authentication is used to log on to the remote server.

☐ Write history to the server:

☒ Limit rows in the table to: 10000 rows for this plan

< Back Next > Cancel Help

4.14 Change the **Plan Name** and then click **Finish**.

Database Maintenance Plan Wizard - (local)

Completing the Database Maintenance Plan Wizard
You have completed the steps to create a database maintenance plan. The plan is described below.

Plan name: Innovian Database Backup and Maintenance

Backup media: Disk
Backup destination: D:\Innovian\Backup
Delete backup files which are older than 3 Day(s).
Verify the backup after completion.
Create a subdirectory for each database, to store t

Reports will be generated and stored in directory: D:\Innov

< Back Finish Cancel Help

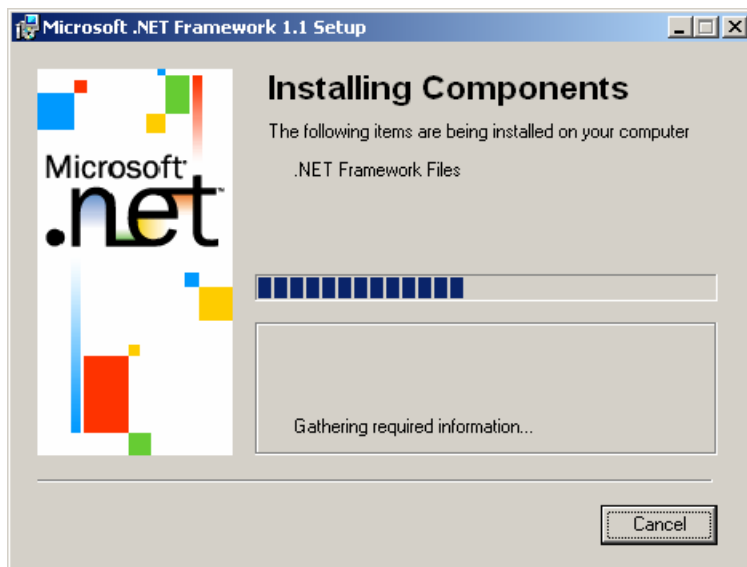
Note: It is the site's system administrator's responsibility to create the backup plan for the SQL Server system databases, as stated in the Administrator's Responsibility document. You may also want to inform them that the Master DB can only have a 'full' backup performed against it because the database's recovery mode is set to 'simple'. Its recovery mode should not be changed. An easy way for them to set up the system database backups is to utilize the Maintenance Plan Wizard and select "All system databases". This will perform the necessary system DB file backup without a log backup. They are to refer to SQL Server documentation for additional help.

5.0 Install the DotNet Framework and Hotfix

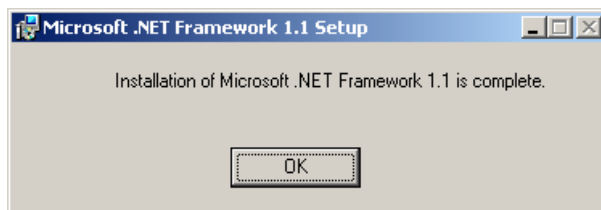
- 5.1 Browse to D:\Innovian\DotNet Framework and double-click **DotNetfx – Framework 11.exe**.
- 5.2 Click **Yes** when prompted: **Would you like to install Microsoft .Net Framework 1.1 Package?**
- 5.3 Select **I Agree** and Click **Install**.



- 5.4 Wait until all components have been installed.



5.5 Click **OK** to complete the installation.

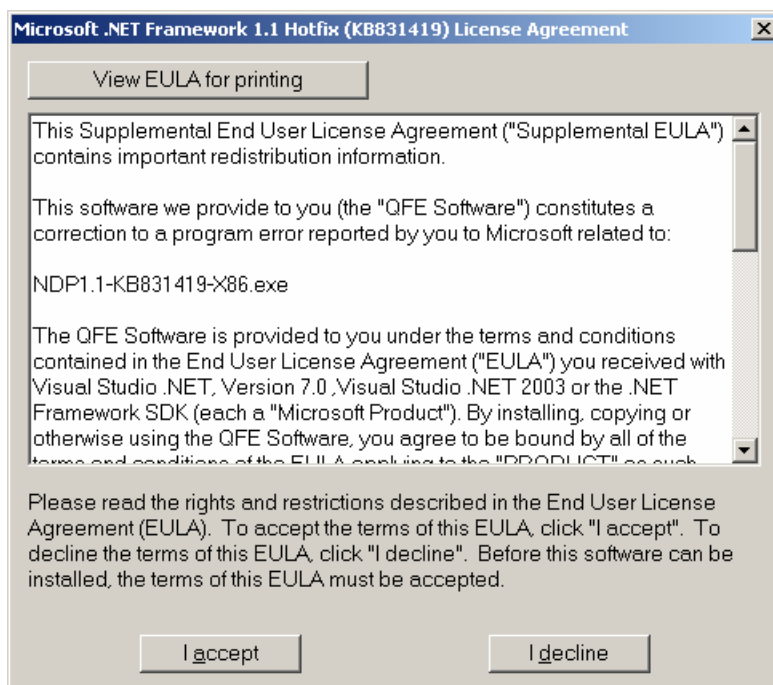


5.6 Browse to D:\Innovian\DotNet Framework.

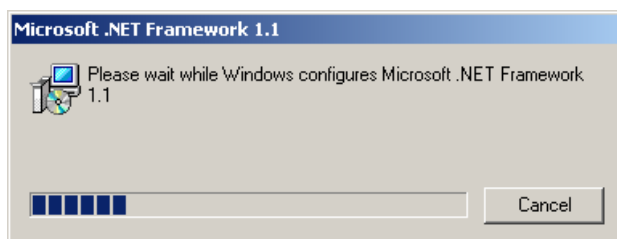
5.7 Double-click **NDP11-KB831419-X86.exe**

5.8 Click **OK** when prompted: **Do you want to install Microsoft .Net Framework 1.1 Hotfix (KB831419)?**

5.9 Accept the license agreement.



5.10 Wait while the install configures the framework.



5.11 Click **OK** to complete the installation of the hotfix.



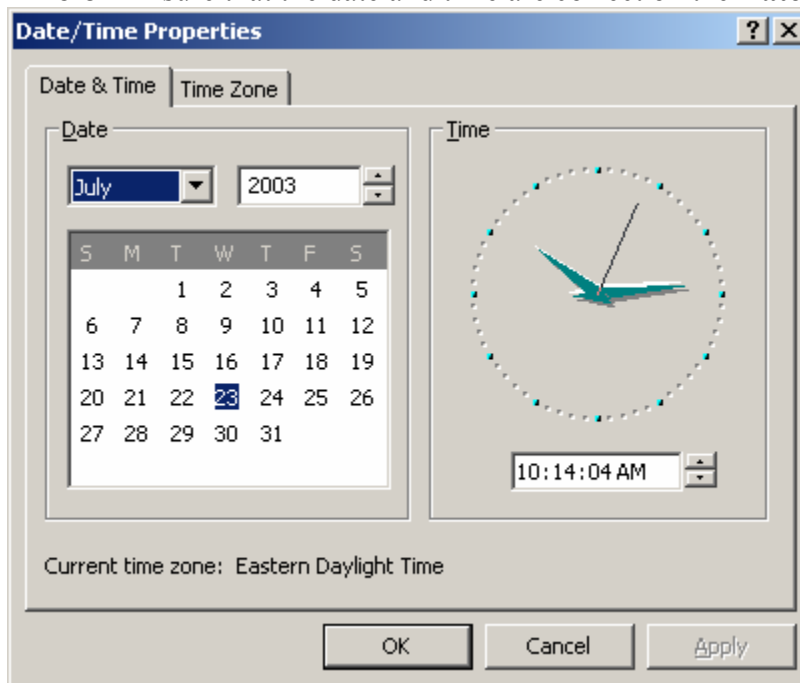
5.12 If prompted, click **Yes** and allow the system to reboot.

6.0 Set the Time and Time Zone

6.1 Click **Start/Settings/Control Panel**.

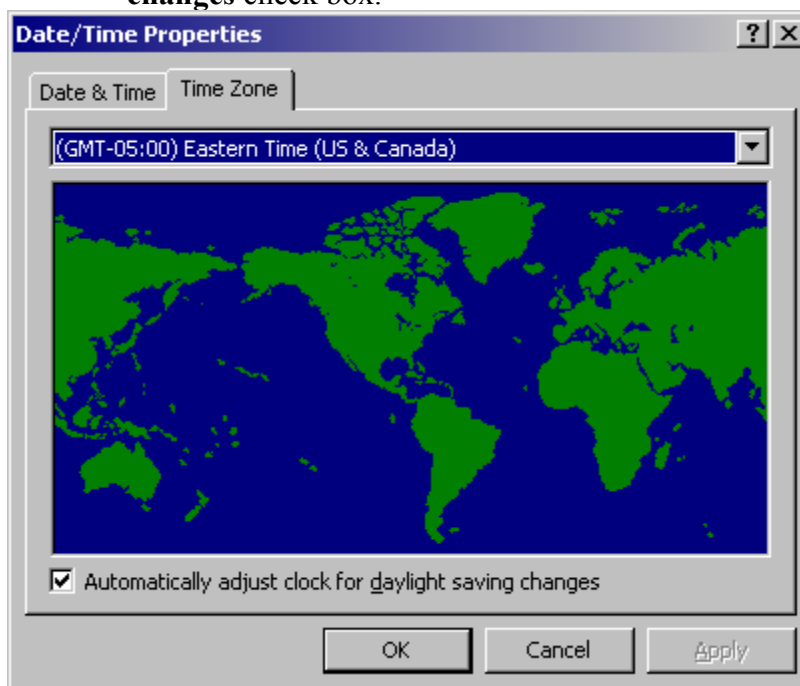
6.2 Double-click **Date/Time**.

6.3 Ensure that the date and time are correct on the **Date & Time** tab.



6.4 Ensure that the proper time zone is selected on the **Time Zone** tab.

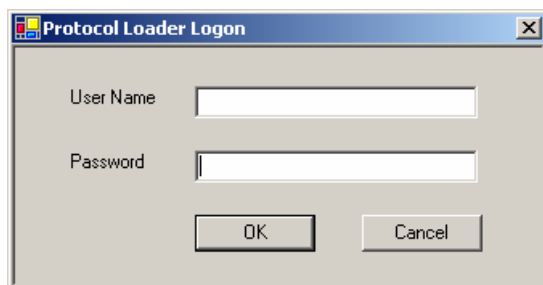
6.5 Be sure to select the **Automatically adjust clock for daylight saving changes** check box.



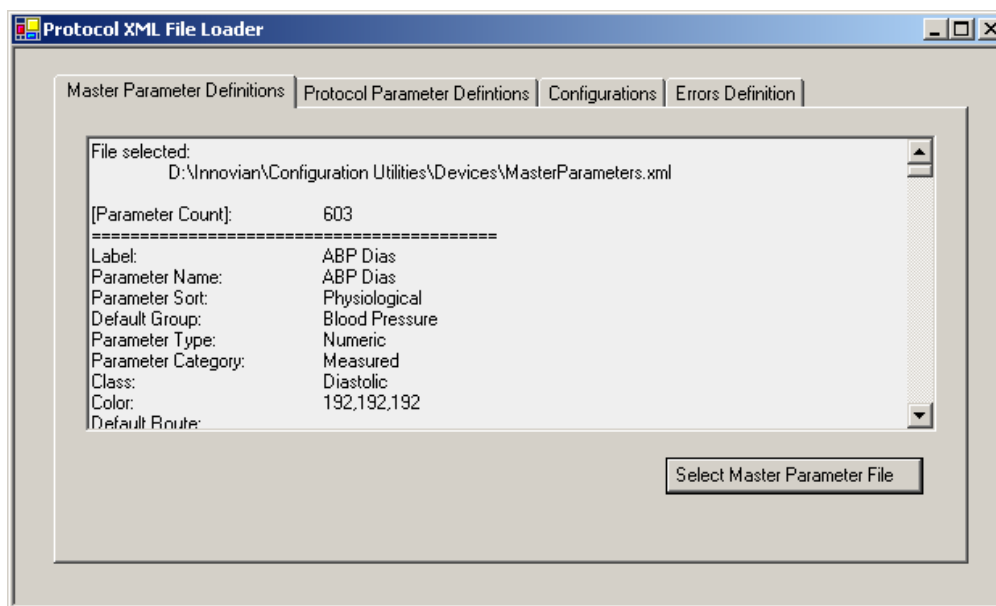
7.0 Run the Protocol Loader Application

Note: The **Draeger.Platform.IT.Config** file must be configured correctly for this application to run successfully. Make sure the server name is correct and that fault tolerant is set to **false**. The Configuration tab will not be used at this time because the settings on that tab have no effect on a new installation.

- 7.1 Browse to D:\Innovian\Configuration Utilities.
- 7.2 Double-click **ProtocolLoader.exe**.
- 7.3 Log on using the **Setup** user.

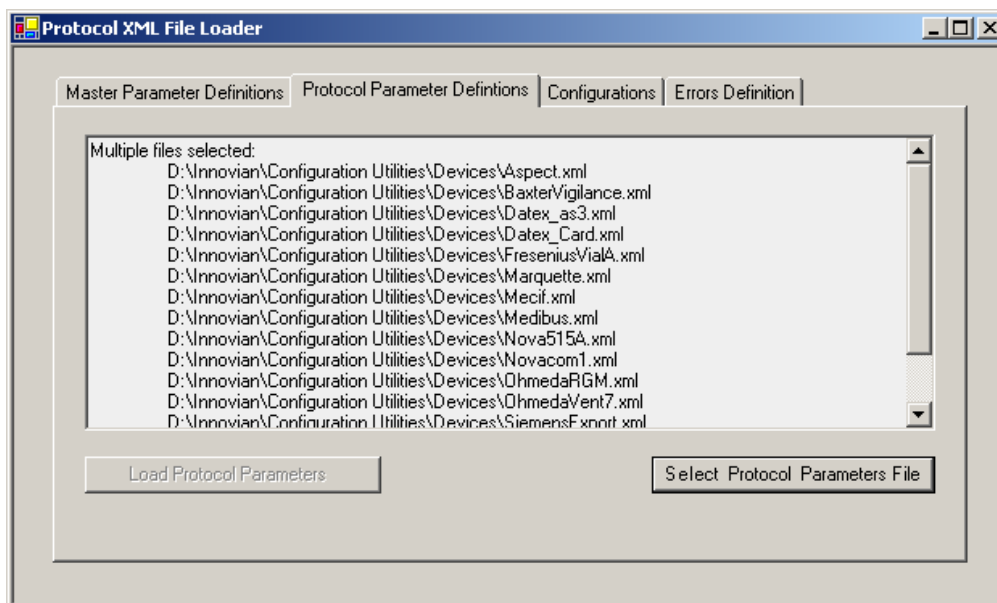


- 7.4 Click **Select Master Parameter File** and browse to D:\Innovian\Devices\ and select **MasterParameters.xml**.



- 7.5 Switch to the **Protocol Parameter Definitions** tab.

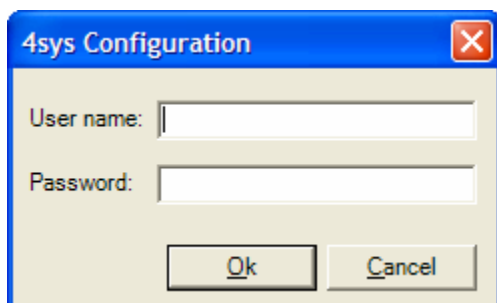
- 7.6 Click **Select Protocol Parameters File** and browse to D:\Innovian\Devices\. Select all **.xml** files **except** MasterParameters.xml, and then click **Open**.



- 7.7 Click **Load Protocol Parameters** and wait for the load to complete.
7.8 Open **Query Analyzer** and attach to PeriopDM
7.9 Open D:\Innovian\Tools\GraphParameterLoad_SP_Install.sql and execute it.

8.0 Run the Configuration Application

- 8.1 Browse to D:\Innovian\Configuration Utilities.
- 8.2 Double-click the **Configuration.exe**
- 8.3 Log on using the **Setup** user.

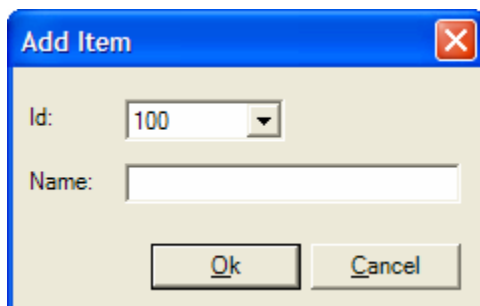


Notes:

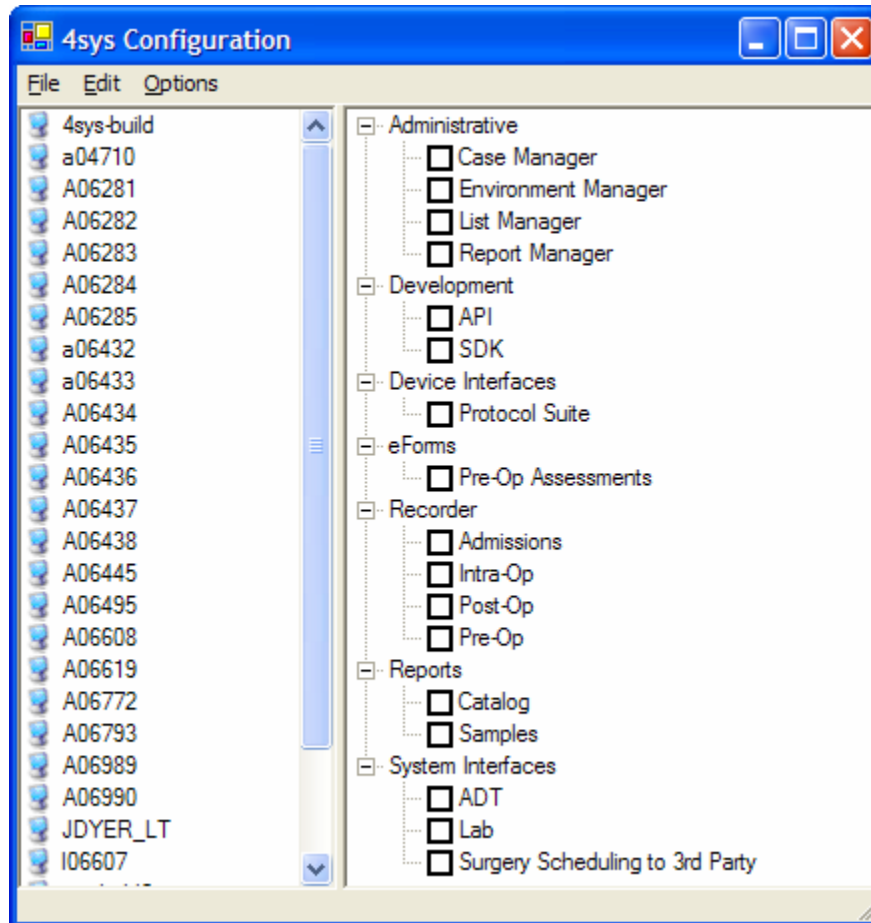
If Options\Auto Save is checked (selected), any workstation changes made to licensed modules will be saved automatically when a different workstation is selected.

If Options\Auto Create is checked (selected), any new workstation that is created will automatically be configured and saved with the currently selected licensed modules.

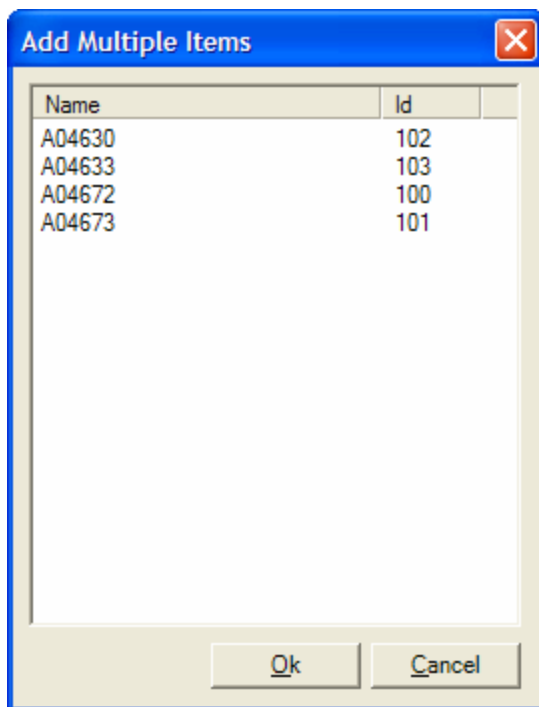
- 8.4 Select **File\New** or press **Ctrl+N** to create a new workstation. The following Add Item dialog appears. Enter the workstation name, select an **Id**, and then click **OK**.



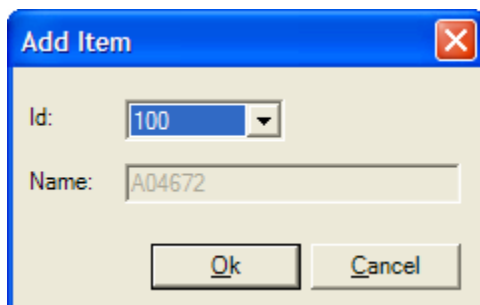
- 8.5 Select the **workstation** created in the left pane, and then select the **check boxes** for the appropriate licensed modules in the right pane.



- 8.6 Select **File\Save** or press **Ctrl+S** to save the changes.
- 8.7 Do one of these steps:
- Repeat steps 8.4 through 8.6 for each licensed workstation included in the Innovian System.
 - Or complete steps 8.8 through 8.10 to add multiple workstations from the network.
- 8.8 Optionally, you may “drag and drop” multiple workstations from the network (via Explorer) to the left pane of the application. The following Add Multiple Items dialog appears.



- 8.9 Select and press the **Enter** key for each item in the Add Multiple Items dialog to update the Id's. Select and press the **Delete** key to remove an item.



- 8.10 When you finish updating the Id's, click the **OK** button in the Add Multiple Items dialog, and then repeat steps 8.5 and 8.6 for each new workstation.

9.0 Run DBCC Check Constraints

- 9.1 Open **Query Analyzer**.
- 9.2 In the database drop-down box on the toolbar, make sure **PeriopDM** is selected.
- 9.3 Execute this SQL statement: **DBCC checkconstraints**.
- 9.4 Ensure that no errors are returned.

10.0 Set the SQL Server Agent to Start Automatically

- 10.1 Double-click the **SQL Server Service Manager** icon in the system tray.
- 10.2 Make sure the server you are working on is selected in the Server Drop-down.
- 10.3 Select **SQL Server Agent** in the Service drop-down.
- 10.4 Click the **Start/Continue** button.
- 10.5 Select the **Auto-start service when OS starts** check box.
- 10.6 Close **SQL Server Service Manager**.

11.0 Clean Up the Install Files

- 11.1 Delete the **D:\Innovian\Tables** folder.
- 11.2 Delete **D:\Innovian\PeriopDM Configuration.dts**.
- 11.3 Delete **D:\Innovian\AutoArchiveSetup.sql**.
- 11.4 Delete **D:\Innovian\PatientPurgeSetup.sql**.
- 11.5 Delete the **D:\Innovian\DotNet Framework** folder.
- 11.6 Delete the **D:\Innovian\PcAnywhere11** folder.

12.0 Configure the Time Server Service

Note: If the site already has domain-wide time synchronization in place, you do not need to run this procedure.

12.1 Windows 2000 Server

- 12.1.1 Open the registry editor using **Start\Run** and type **Regedit**.
- 12.1.2 Browse to:
 \HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Parameters
- 12.1.3 Double-click the **LocalNTP** key and set the value data to **1**.
- 12.1.4 Right-click in the right pane and choose **New\String Value**. Name the key **NTPServer** and set the value data to **a server with a reliable time**. If there are no time servers in the network, leave **data value** blank.
- 12.1.5 Add a Dword value with the name of "**ReliableTimeSource**" and set the value data to **0**.
- 12.1.6 Click **Start\Settings\Control Panel\Administrative Tools\Services**.
- 12.1.7 Double-click the **Windows Time** service and set the start-up type to **Automatic**.
- 12.1.8 Reboot the server so that the settings take effect.

12.2 Windows 2003 Server

- 12.2.1 Open the registry editor using **Start\Run** and type **Regedit**.
- 12.2.2 Browse to:
 \HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Parameters
- 12.2.3 Add/edit a string with the name of **NTPServer** and set the value data to **a server with a reliable time**. Windows Server 2003 must have a time provider for the kerberos security to properly function.
- 12.2.4 Browse to:
 \HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders\NtpClient. Make sure **Enabled** is set to data value **1**.
- 12.2.5 Browse to:
 \HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders\NtpServer. Make sure **Enabled** is set to data value **1**.
- 12.2.6 Click **Start\Settings\Control Panel\Administrative Tools\Services**.
- 12.2.7 Double-click the **Windows Time** service and set the start-up type to **Automatic**.
- 12.2.8 Reboot the server so that the settings take effect.

***** Innovian Server Installation Complete, proceed to Workstation Procedure *****

Appendix A. PC Anywhere 11 Installation

1. Browse to the installation source (typically server CD-ROM drive).
2. In Explorer, double-click on the source to see its contents in the right pane.
3. Double-click **Symantec PcAnywhere – Full Prodcut.msi**.
4. If you are prompted with the “Previous Version Installed” window, select the **Preserve existing data** check box and click **Next**. (If you are not prompted with a “Previous Version Installed” window, proceed to step A below.)
5. Proceed with step “a” below:
 - a. At the **Welcome to Symantec pcAnywhere Setup Wizard** window, click **Next**.
 - b. At the “License Agreement” window, select **I accept the terms...** and click **Next**.
 - c. At the **Customer Information** window, enter the User Name and Organization (site-specific information) and click **Next**.
 - d. Set the install path in the Destination Folder window.
 - e. At the **Ready to Install the Program** window, click **Install**.
 - f. Click **Cancel** at the LiveUpdate window.
 - g. At the **Please Register Symantec PCAnywhere** window, click **Skip**.
 - h. Click **Yes** when prompted with **Are you sure you want to skip the registration process?**
 - i. At the **Install Wizard Complete** window, click **Finish**.
 - j. Click **Yes** when prompted with **You must restart your system...** The system will reboot.
 - k. After the reboot, launch **PCAnywhere** by going to **START\PROGRAMS\SYMANTEC PCANYWHERE**.
 - l. At the **Please Register Symantec PCAnywhere** window, click **Skip**.
 - m. Click **Yes** when prompted with **Are you sure you want to skip the registration process?**
 - n. Select **Hosts** in the left pane.
 - o. Right-click the **Network host item** (or highlight the **Network host item** and choose **File\Properties** from the menu at the top of the screen).
 - p. Click the **Connection Info.** tab.
 - q. Verify that the **TCP\IP** check box is selected.
 - r. Click the **Callers** tab.
 - s. Authentication type could vary from site to site. It will typically be **NT**. Set the **Authentication Type** field to **NT**.
 - t. Immediately under **Caller List**, click the icon for **New Item**.
 - u. Choose either **user** or **group** (site-specific information).

- v. In the **Domain** field, select the domain that the user or group (from the previous step) belongs to (site-specific information).
- w. In the **Account** field, choose either the **user** or **group** (site-specific information) that will be used to access the PCAnywhere host item.
- x. Click **OK**.
- y. Click the **Security Options** tab.
- z. In the **Encryption** section, in the **Level** field, select **PCAnywhere Encoding**.
- aa. Click **OK**.
- bb. Rename the **host item** after the name of the computer (site specific information).
- cc. Once the host item is named, double-click the **host item** to launch it.
- dd. Choose **Start\Settings\Control Panel\Administrative Tools**.
- ee. Double-click **Services**.
- ff. Find the **PCAnywhere Host Service** and double-click it.
- gg. Set **Startup Type** to **Automatic**, and then click **OK**.
- hh. At the **Services** window, click **Close**.
- ii. Close the **Control Panel**.
- jj. Close **PcAnywhere**.
- kk. Browse to the Installation Source and double-click **pca1101.exe**
- ll. Click **OK** when prompted
- mm. Close the Notepad window containing the Release Notes
- nn. Restart the server.

Appendix B. Installing the Innovian Server Databases to a location other than D:

This appendix references steps performed in previous procedures that use path information that must be changed if the **D:** drive is not available for installing the databases.

Section 2.0

- 2.1 If **D:** is not available, then set the paths to any drive other than the drive containing the Operating System (step 2.11 in SQL “Server 2000, SP3a, and HotFix Installation”).

Section 3.0

- 3.1 If **D:** is not available, then copy the Innovian folder and all its contents from the Language Pack on the Innovian Installation DVD to the root of any drive except the drive containing the Operating System (step 3.1 in “Database Attachment and Configuration”).
- 3.2 Any paths that reference **D:** in this section will now need to point to the drive you chose in 3.1 above.
- 3.3 Before the PeriopDM Configuration.dts package is executed, right-click the **Load System Data** icon and choose **Properties**. Copy all of the SQL Code in the SQL Statement text box and paste it into a Notepad window. Search and replace all instances of **D:** with the drive you chose in step 3.1 above. Copy the resulting script back into the SQL Statement text box in the DTS package. Repeat these steps on the **Load Default Data** icon (step 3.6 in “Database Attachment and Configuration”).

Section 4.0

- 4.1 The backup directory for the full database backups should be changed to **<drive chosen in 3.1>:\Innovian\Backup** (step 4.8 in “Recommended Database Backup Schedule Configuration”).
- 4.2 The backup directory for the transaction log backups should be changed to **<drive chosen in 3.1>:\Innovian\Backup** (step 4.11 in “Recommended Database Backup Schedule Configuration”).

Section 5.0

- 5.1 The paths to the install files in this section should be modified to **<drive chosen in 3.1>:\Innovian\Backup** (step 5.1 and 5.6 in “Install the DotNet Framework and SP2”).

Section 7.0

- 7.1 The paths to the Protocol Loader and .xml files in this section should be changed to **<drive chosen in 3.1>:\Innovian\...** (steps 7.1, 7.4, and 7.6 in “Run the Protocol Loader Application”).

Section 8.0

- 8.1 The path to the Innovian Configuration Utility in this section should be changed to **<drive chosen in 3.1>:\Innovian\...** (step 8.1 in “Run the Innovian Configuration Application”).

Section 11.0

- 11.1 All paths in this section need to be modified to reflect the new drive chosen in step 3.1 (steps 11.1, 11.2, 11.3, 11.4, 11.5, and 11.6 in “Clean Up the Install Files”).



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